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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/482,926	01/14/2000	Jae Joung Beom	046-0658P-SP	7693

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EXAMINER

LY, ANH

ART UNIT

PAPER NUMBER

2172

DATE MAILED: 06/24/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/482,926

Applicant(s)

BEOM, JAE JOUNG 

Examiner

Anh Ly

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Response to Arguments

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.
2. Claims 1-14 are pending in this application.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-2 and 6-7 and 10-14 are rejected under 35 U.S.C. 102(e) as being anticipated by 6,549,528 issued to Yuzawa in view of US Patent No. 6,229,801 issued to Anderson et al. (hereinafter Anderson).

With respect to claim 1, Yuzawa discloses a memory for storing table IDs and version numbers of sections for each of the table IDs, a combination of at least one of the sections forming a table which added information defines (a data stream for

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transmitting program data including table ID, version number: see fig. 4 and fig. 5 and col. 7, lines 30-31 and col. 9, lines 7-11); a comparing unit for determining matching of a table ID included in a present section with the table IDs stored in the memory upon reception of the present section, and comparing the version number of the matched table ID to the version number of a received section number (by a unit controller, the version IDs are compared, both ID are come from two different memory: stored ID (acquired ID) and at present ID: col. 11, lines 40-42 and lines 50-60; also see fig. 8).

As to the limitation, "a section processing unit for receiving and processing the present section if it is determined that the version number stored in the matched table ID is not the same as the version number of the present section," Yuzawa does not explicitly indicate the receiving and processing the present section.

However, Anderson discloses checking the each table section as received (col. 12, lines 55-67).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa with the teachings of Anderson so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48

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and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

With respect to claim 2, Yuzawa discloses wherein the section processing unit skips the section received at the present time if it is determined at the comparing unit that no table IDs match, or if the version number stored in the matched table ID is the same as the version number of the received section (col. 11, lines 60-65).

With respect to claim 6, Yuzawa discloses (1) upon reception of a present section, determining matching of the table ID included in the present section with the table IDs stored in the memory; (2) if it is determined in the step (1) that the table IDs match, determining whether the version number included in the received section is the same as the version number stored in a version memory of the table ID (a data stream for transmitting program data including table ID, version number: see fig. 4 and fig. 5 and col. 7, lines 30-31 and col. 9, lines 7-11; by a unit controller, the version IDs are compared, both ID are come from two different memory: stored ID (acquired ID) and at present ID: col. 11, lines 40-42 and lines 50-60; also see fig. 8).

As to the limitation, "if it is determined in the step (2) that the two version numbers are not the same, receiving and processing the present section," Yuzawa does not explicitly indicate the two versions are not the same.

However, Anderson discloses checking the each table section as received to increment the version numbers (col. 11, lines 55-67; col. 40-45).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa with the teachings of Anderson so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

With respect to claim 7, Yuzawa discloses skipping the section received at the present time if it is determined in the step (1) that there are no table IDs matched, or if it is determined in the step (2) that the two version numbers are the same (col. 11, lines 60-65).

With respect to claim 10, Yuzawa discloses a method as discussed in claim 6.

As to the limitation, “determining starting of the received section with reference to a pointer field if a payload-syntax-indicator is ‘1’ in a transport packet before the step of determining matching of the table ID included in the section and the table IDs stored in the memory,” Yuzawa does not explicitly indicate the payload.

However, Anderson discloses payload layer (col. 2, lines 9-67, col. 7, lines 15-32 and col. 9, lines 5-22).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa with the teachings of Anderson so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

With respect to claims 11-12, Yuzawa discloses a method as discussed in claim 6.

As to the limitations “determining starting of another section if the next data is not OxFF after the present section comes to an end before the step of determining matching of the table ID included in the section and the table IDs stored in the memory; and further includes the step of automatically updating a version value stored in the version memory with a new version number upon reception of a section having the new

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version," Yuzawa does not explicitly indicate the next data is not 0XFF and a new version number upon reception of a section having the new version.

However, Anderson discloses the next data and the new version number having new version number (col. 6, lines 30-48, col. 9, lines 5-66 and col. 11, lines 26-67).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa with the teachings of Anderson so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

With respect to claim 13, Yuzawa discloses a device for filtering as discussed in claim 1.

As to the limitation, "wherein the section processing unit stores the present section if it is determined that the version number stored in the matched table ID is not

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the same as the version number of the present section," Yuzawa does not explicitly indicate the not the same as the version number of the present section.

However, Anderson discloses checking the each table section as received (col. 12, lines 55-67).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa with the teachings of Anderson so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

With respect to the claim 14, Yuzawa discloses a method as claim 6.

As to the limitation, "wherein the step (3) includes the step of storing the present section if it is determined in the step (2) that the two version numbers are not the same," Yuzawa does not explicitly indicate the storing the present section number and the two version numbers are not the same.

However, Anderson discloses storing the present section number and two version numbers are not the same (col. 6, lines 30-48, col. 11, lines 51-67, col. 12, lines 51-64, col. 13, lines 1-67 and col. 14, lines 1-67; col. 5, lines 54-64).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa with the teachings of Anderson so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

5. Claims 3-5 and 8-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 6,549,528 issued to Yuzawa in view of US Patent No. 6,229,801 issued to Anderson et al. (hereinafter Anderson) and further in view of 6,134,554 issued to Freimann et al. (herein Freimann).

With respect to claim 3, Yuzawa in view of Anderson discloses a device for filtering added information as discussed in claim 1.

Yuzawa in view of Anderson does not explicitly indicate, "a new version number when a section with a new version is received."

However, Freimann discloses new version as claimed (col. 9, lines 21-67 and col. 10, lines 1-38).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa in view of Anderson with the teachings of Freimann so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

With respect to claims 4-5, Yuzawa in view of Anderson discloses a device for filtering added information as discussed in claim 1.

Yuzawa in view of Anderson does not explicitly indicate, "mask enables the version number of the section if it is determined that the table is completed."

However, Freimann discloses bit stream as well as mask bits processing as claimed (see fig. 4 and figs 9A and 9B, col. 6, lines 6-67, col. 9, lines 30-67, col. 10, lines 1-67 and col. 11, lines 1-52).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa in view of Anderson with the teachings of Freimann so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

With respect to claims 8-9, Yuzawa in view of Anderson discloses a device for filtering added information as discussed in claim 6.

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Yuzawa in view of Anderson does not explicitly indicate, "(6) mask enabling the version number of the present section if it is determined in the (5) step that the table is completed."

However, Freimann discloses bit stream as well as mask bits processing as claimed (see fig. 4 and figs 9A and 9B, col. 6, lines 6-67, col. 9, lines 30-67, col. 10, lines 1-67 and col. 11, lines 1-52).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Yuzawa in view of Anderson with the teachings of Freimann so as to have a way to determine the version number stored in table section not the same as the version number of the present section by incremented the version number field (col. 6, lines 42-45). This combination would provide for initializing the section number in a table section; each table section is checked as received to determine and the table processing is the transport the table section filtering. Filtering reduces the application processor workload for parsing table sections and the required size of working areas in memory to manage table data (Anderson – col. 6, lines 30-48 and col. 11, lines 20-67). Also there is a control means for extracting only necessary information on the basis of the receiver maker identification information and for using the stored information as a program unit control (Yuzawa – col. 4, lines 5-24) in the MPEG filtering in formation environment.

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Contact Information

6. Any inquiry concerning this communication should be directed to Anh Ly whose telephone number is (703) 306-4527. The examiner can be reached on Monday - Friday from 8:00 AM to 4:00 PM.

If attempts to reach the examiner are unsuccessful, see the examiner's supervisor, Kim Vu, can be reached on (703) 305-4393.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to: (703) 746-7238 (after Final Communication)

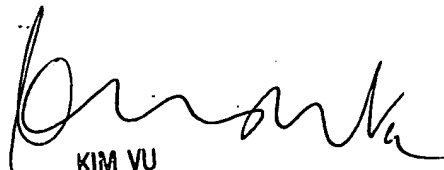
or: (703) 746-7239 (for formal communications intended for entry)

or: (703) 746-7240 (for informal or draft communications, or Customer Service Center, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Fourth Floor (receptionist).

Inquiries of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

ALV
Jun. 17th, 2003


KIM VU
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